

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	6	"3098168".pn. or "3114070".pn. or "3121809".pn. or "3916227".pn. or "5266867".pn. or "5359257".pn.	US-PGPUB; USPAT	OR	OFF	2004/11/22 10:20
S2	57	(electron adj5 emi\$7) same (metal and (n adj6 semiconductor))	US-PGPUB; USPAT	OR	OFF	2004/03/27 13:48
S3	5	("4303930" "4516146" "5090932" "5483263" "5541478").PN.	USPAT	OR	OFF	2004/03/19 14:53
S4	44	"4303930".URPN.	USPAT	OR	OFF	2004/03/19 14:55
S5	78	(surface adj4 potential adj4 barrier) same semiconductor	US-PGPUB; USPAT	OR	OFF	2004/03/22 12:36
S6	10	("4307507" "4542256" "4766340" "5057047" "5150192" "5188977" "5283501" "5369289" "5371382" "5404032").PN.	USPAT	OR	OFF	2004/03/22 11:18
S7	3	"5773920".URPN.	USPAT	OR	OFF	2004/03/22 11:40
S8	7	"5581146"	US-PGPUB; USPAT	OR	OFF	2004/03/22 12:44
S9	107	"70638"	EPO; JPO; DERWENT	OR	OFF	2004/03/22 13:44
S10	356	(electron adj5 emi\$) with (metal and semiconductor)	US-PGPUB; USPAT	OR	OFF	2004/03/22 13:47
S11	85	band adj bend\$ adj6 semiconductor	US-PGPUB; USPAT	OR	OFF	2004/03/22 13:49
S12	17	(band adj bend\$ adj6 semiconductor) and (surface adj4 potential)	US-PGPUB; USPAT	OR	OFF	2004/03/22 13:57
S13	1362	313/326.ccls.	US-PGPUB; USPAT	OR	OFF	2004/03/22 16:18
S14	12	313/326.ccls. and ((electron adj4 emi\$) same (semiconductor))	US-PGPUB; USPAT	OR	OFF	2004/03/22 13:58
S15	0	313/326.ccls.and (electron near (emission emitting emitter) near bias)	US-PGPUB; USPAT	OR	OFF	2004/03/22 16:19
S16	2	313/326.ccls.and ((electron near (emission emitting emitter)) same bias)	US-PGPUB; USPAT	OR	OFF	2004/03/22 16:23
S17	74	313/309-311.ccls.and ((electron near (emission emitting emitter)) same bias)	US-PGPUB; USPAT	OR	OFF	2004/03/22 16:23

S18	9	("5066883" "5289086" "5588894" "5616368" "5619092" "5619903" "5681196" "5753997" "5757114").PN.	USPAT	OR	OFF	2004/03/23 14:32
S19	9	("5066883" "5289086" "5588894" "5616368" "5619092" "5619903" "5681196" "5753997" "5757114").PN.	USPAT	OR	OFF	2004/03/23 14:32
S20	1	"6046542".URPN.	USPAT	OR	OFF	2004/03/23 14:47
S21	4	("3334248" "3581151" "3958143" "4682074").PN.	USPAT	OR	OFF	2004/03/23 15:29
S22	7	("5212426" "5256888" "5268648" "5318918" "5359256" "5521461" "5572041").PN.	USPAT	OR	OFF	2004/03/23 15:42
S23	306	257/10.ccls.	US-PGPUB; USPAT	OR	OFF	2004/03/23 16:28
S24	3	257/10.ccls. and (metal adj5 semiconductor adj junction)	US-PGPUB; USPAT	OR	OFF	2004/03/23 16:20
S25	66	257/10.ccls. and (cathode with semiconductor)	US-PGPUB; USPAT	OR	OFF	2004/03/23 16:32
S26	7	"5359257"	US-PGPUB; USPAT	OR	OFF	2004/03/23 16:37
S27	2	"3098168"	US-PGPUB; USPAT	OR	OFF	2004/03/23 16:38
S28	1	"3098168".URPN.	USPAT	OR	OFF	2004/03/23 16:41
S29	13	"4324999"	US-PGPUB; USPAT	OR	OFF	2004/03/24 14:44
S30	276	313/309,310.ccls. and ((electron adj6 emi\$) same semiconductor)	US-PGPUB; USPAT	OR	OFF	2004/03/24 18:04
S31	89	(high-current avalance-tunneling and injection-tunneling).ti.	US-PGPUB; USPAT	OR	OFF	2004/03/24 14:52
S32	5	("5894189" "5936257" "5962959" "6313572" "6414433").PN.	USPAT	OR	OFF	2004/03/24 15:51
S33	17	("3615901" "5729094" "5747918" "5777427" "5828162" "5936257" "5944573" "5973451" "5977697" "5986390" "5990605" "6008502" "6066922" "6130504" "6144155" "6274881" "6388366").PN.	USPAT	OR	OFF	2004/03/24 16:07

S34	17	("3615901" "5729094" "5747918" "5777427" "5828162" "5936257" "5944573" "5973451" "5977697" "5986390" "5990605" "6008502" "6066922" "6130504" "6144155" "6274881" "6388366").PN.	USPAT	OR	OFF	2004/03/24 16:30
S35	12	"5990605".URPN.	USPAT	OR	OFF	2004/03/24 16:30
S36	7	("4801994" "5202571" "5202605" "5410166" "5430348" "5729094" "5880481").PN.	USPAT	OR	OFF	2004/03/24 17:17
S37	74	"5202571".URPN.	USPAT	OR	OFF	2004/03/24 17:26
S38	10	("4307507" "4542256" "4766340" "5057047" "5150192" "5188977" "5283501" "5369289" "5371382" "5404032").PN.	USPAT	OR	OFF	2004/03/24 17:52
S39	0	(electron adj5 (emitter emission)) same (metal with semiconductor) same (surface adj5 potential adj barrier)	US-PGPUB; USPAT	OR	OFF	2004/03/24 18:05
S40	260	(electron adj5 (emitter emission)) same (metal with semiconductor)	US-PGPUB; USPAT	OR	OFF	2004/03/24 18:05
S41	3	"9940601"	EPO; JPO; DERWENT	OR	OFF	2004/03/27 13:39
S42	4	(electron adj3 emission) with (potential adj barrier)	EPO; JPO; DERWENT	OR	OFF	2004/03/27 13:42
S43	0	cathode same ((emitters (electron adj emission)) with semiconductor with (potential adj barrier))	EPO; JPO; DERWENT	OR	OFF	2004/03/27 13:43
S44	5	cathode same (semiconductors with emission)	EPO; JPO; DERWENT	OR	OFF	2004/03/27 13:46
S45	6	(cathode or (electron adj5 emi\$7)) same ((metal and (n adj6 semiconductor)) with thickness)	US-PGPUB; USPAT	OR	OFF	2004/03/27 14:13
S46	10	("4356429" "4539507" "4720432" "4769292" "4885211" "5047687" "5429884" "5677572" "5739653" "6198219").PN.	USPAT	OR	OFF	2004/03/27 13:52
S47	17	"5677572".URPN.	USPAT	OR	OFF	2004/03/27 13:54
S48	8	("4971948" "5063183" "5075796" "5157541" "5262668" "5492776" "5519234" "5525380").PN.	USPAT	OR	OFF	2004/03/27 13:56

S49	10	("4356429" "4539507" "4720432" "4769292" "4885211" "5047687" "5429884" "5677572" "5739653" "6198219").PN.	USPAT	OR	OFF	2004/03/27 13:58
S50	96	surface near emission near cathode	US-PGPUB; USPAT	OR	OFF	2004/03/27 14:13
S51	0	(surface near emission near cathode) and semiconductor	US-PGPUB; USPAT	OR	OFF	2004/03/27 14:13
S52	34	(surface near emission near cathode) and semiconductor	US-PGPUB; USPAT	OR	OFF	2004/03/27 14:14
S53	15	(surface near emission near cathode) and (semiconductor with metal)	US-PGPUB; USPAT	OR	OFF	2004/03/27 14:52
S54	1	"3114070"	US-PGPUB; USPAT	OR	OFF	2004/03/27 14:57
S55	2	"3098168"	US-PGPUB; USPAT	OR	OFF	2004/03/27 15:09
S56	18	"3611077".URPN.	USPAT	OR	OFF	2004/03/27 15:06
S57	2	"3916227"	US-PGPUB; USPAT	OR	OFF	2004/03/27 15:18
S58	4	"5266867"	US-PGPUB; USPAT	OR	OFF	2004/03/27 15:37
S59	2	"05342983"	EPO; JPO; DERWENT	OR	OFF	2004/03/27 16:00
S60	1	"6046542".URPN.	USPAT	OR	OFF	2004/03/27 16:12
S61	5	("4303930" "4516146" "5090932" "5483263" "5541478").PN.	USPAT	OR	OFF	2004/03/27 16:12
S62	1	"6635979".pn.	US-PGPUB; USPAT	OR	OFF	2004/03/29 08:38
S63	2	"6046542"	US-PGPUB; USPAT	OR	OFF	2004/03/29 08:49
S64	5	("4303930" "4516146" "5090932" "5483263" "5541478").PN.	USPAT	OR	OFF	2004/03/29 08:38
S65	1	"3114070"	US-PGPUB; USPAT	OR	OFF	2004/03/29 08:51
S66	405	((semiconductor adj6 (film layer)) with (thickness thick)) and (electron adj3 emi\$)	US-PGPUB; USPAT	OR	OFF	2004/03/29 08:52
S67	101	((semiconductor adj6 (film layer)) with (thickness thick)) and (electron adj3 emi\$) and "313"/\$. ccls.	US-PGPUB; USPAT	OR	OFF	2004/03/29 09:12

S68	6	("3665241" "5360759" "5430300" "5726464" "5990605" "6249080").PN.	USPAT	OR	OFF	2004/03/29 08:58
S69	1	"5773920".pn.	US-PGPUB; USPAT	OR	OFF	2004/03/29 13:26
S70	1	"6635979".pn.	US-PGPUB; USPAT	OR	OFF	2004/03/29 12:13
S71	1	"6046542".pn.	US-PGPUB; USPAT	OR	OFF	2004/03/29 12:15
S72	1	"5359257".pn.	US-PGPUB; USPAT	OR	OFF	2004/03/29 13:26
S73	0	((junction near semiconductor) same ((surface adj4 potential adj4 barrier)near height))and (electron near emi\$7)	US-PGPUB; USPAT	OR	OFF	2004/11/22 10:22
S74	0	((semiconductor) same ((surface adj4 potential adj4 barrier)near height))and (electron near emi\$7)	US-PGPUB; USPAT	OR	OFF	2004/11/22 10:22
S75	1	((surface adj4 potential adj4 barrier)near height))and (electron near emi\$7)	US-PGPUB; USPAT	OR	OFF	2004/11/22 10:23
S76	12	((surface adj4 potential adj4 barrier)near height))	US-PGPUB; USPAT	OR	OFF	2004/11/22 10:23
S77	20	("20040003828" "3850508" "4544887" "4558660" "4581578" "4599558" "4824698" "4871417" "5216362" "5306671" "5453702" "5470799" "5471293" "5581194" "5661408" "5663657" "5716495" "5977788" "6166354" "6326220").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/11/22 10:29
S78	9	shannon.in. and (electron near device)	US-PGPUB; USPAT	OR	OFF	2004/11/22 10:35
S79	1	("6046542").URPN.	USPAT	OR	OFF	2004/11/22 10:32
S80	1747	(electron near (emitter emission emi\$6)) same (semiconductor)	US-PGPUB; USPAT	OR	OFF	2004/11/22 10:35
S81	54	((electron near (emitter emission emi\$6)) same (semiconductor)) and (surface adj potential)	US-PGPUB; USPAT	OR	OFF	2004/11/22 10:57
S82	0	(junction near (metal and (semiconductor semi-conductor)))same (electron adj (emitting emission emi\$7))	US-PGPUB; USPAT	OR	OFF	2004/11/22 10:59
S83	674	(metal and (semiconductor semi-conductor))same (electron adj (emitting emission emi\$7))	US-PGPUB; USPAT	OR	OFF	2004/11/22 11:05

S84	6289	cathode with semiconductor	US-PGPUB; USPAT	OR	OFF	2004/11/22 11:06
S85	664	(cathode with semiconductor) and (electron adj (emission emitting emi\$7))	US-PGPUB; USPAT	OR	OFF	2004/11/22 11:06
S86	58	S85 and (potential adj barrier)	US-PGPUB; USPAT	OR	OFF	2004/11/22 13:00
S87	5	("4303930" "4516146" "5090932" "5483263" "5541478").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/11/22 11:52
S88	3	("5827100").URPN.	USPAT	OR	OFF	2004/11/22 12:19
S89	37	313/496.ccls. and ((electron near emission) same semiconductor)	US-PGPUB; USPAT	OR	OFF	2004/11/22 13:08
S90	4	"5359257".pn. or "5266867".pn. or "3121809".pn. or "3916227". pn.	US-PGPUB; USPAT	OR	OFF	2004/11/22 13:12
S91	6	("5359257").URPN.	USPAT	OR	OFF	2004/11/22 13:12
S92	8	("3121809").URPN.	USPAT	OR	OFF	2004/11/22 13:13
S93	1	("6046542").URPN.	USPAT	OR	OFF	2004/11/22 13:21
S94	2	"05342983"	EPO; JPO; DERWENT	OR	OFF	2004/11/22 13:26
S95	2	"08007746"	EPO; JPO; DERWENT	OR	OFF	2004/11/22 13:27
S96	7	"5359257"	US-PGPUB; USPAT	OR	OFF	2004/11/22 13:27
S97	346	schottky near height	US-PGPUB; USPAT	OR	OFF	2004/11/22 13:28
S98	6	(schottky near height) and (electron adj (emission emitting emi\$8))	US-PGPUB; USPAT	OR	OFF	2004/11/22 13:31
S99	60	(schottky near height) and (junction near semiconductor)	US-PGPUB; USPAT	OR	OFF	2004/11/22 13:32
S10 0	5	("4303930" "4516146" "5090932" "5483263" "5541478").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/11/30 16:39
S10 1	15	(semiconductor near doping) same (potential adj4 barrier)	US-PGPUB; USPAT	OR	OFF	2004/11/30 17:10
S10 2	8	("3808477").URPN.	USPAT	OR	OFF	2004/11/30 17:29
S10 3	17	("3964084").URPN.	USPAT	OR	OFF	2004/11/30 18:13
S10 4	1	"3114070".pn.	US-PGPUB; USPAT	OR	OFF	2004/11/30 18:13
S10 5	0	("3114070").URPN.	USPAT	OR	OFF	2004/11/30 18:14

S10 6	1	"3916227".pn.	US-PGPUB; USPAT	OR	OFF	2004/11/30 18:14
S10 7	30	barrier same ((Pt platinum) with (SiC silicon-carbide))	US-PGPUB; USPAT	OR	OFF	2004/12/09 18:40
S10 8	4786	(cathode (electron adj4 emi\$5)) same (metal and semiconductor)	US-PGPUB; USPAT	OR	OFF	2004/12/10 11:58
S10 9	193	S108 and (barrier near height)	US-PGPUB; USPAT	OR	OFF	2004/12/10 11:46
S11 0	4	(cathode (electron adj4 emi\$5)) same (metal and semiconductor) same (barrier adj5 height)	EPO; JPO; DERWENT	OR	OFF	2004/12/10 11:59